

- 21 -

WHAT IS CLAIMED IS:

1. A process for making a disposable diaper, said diaper having a wearer's body facing surface and a garment facing surface, front and rear ends extending in a transverse direction and a pair of side edges extending in a longitudinal direction, a front waist region, a rear waist region and a crotch region extending between said waist regions, and one of said front and rear waist regions of said garment facing surface being provided in vicinities of said side edges with tape fasteners folded so that said tape fasteners are unfolded in said transverse direction, said process comprising the steps of:
- a) feeding continuously a first web in said transverse direction wherein said first web comprises a plurality of backsheets defining said garment facing surface having said pair of side edges and successively connected one to another along said side edges so as to be continuous in said transverse direction;
 - b) feeding tape fastener members to said first web fed in said step a), wherein each of said tape fastener members extending in said transverse direction has longitudinally opposite end portions and an intermediate portion extending between said opposite end portions, said opposite end portions being folded in a Z-shape or an inverted Z-shape, top sections of said Z-shape

- 22 -

and said inverted Z-shape being coated on respective under surfaces with a first adhesive and bottom sections of said Z-shape and said inverted Z-shape being coated on respective under surfaces with a second adhesive, and bonding said tape fastener members by means of said second adhesive to said garment facing surface in one of said front and rear waist regions of said backsheets being contiguous one to another along said side edges in said first web so that said tape fastener members straddle said side edges, respectively; and

10 c) cutting said first web together with said tape fastener members along said side edges.

2. The process according to Claim 1, wherein said first web is fed in said step a) in the condition that said first web is overlaid with the second web which is continuous in said transverse direction and destined to be a topsheet defining said wearer's body facing surface and liquid-absorbent cores arranged intermittently in the feeding direction of these first and second webs between these first and second webs.

20

3. The process according to Claim 1, wherein said first web is destined to define said garment facing surface of an open-type disposable diaper.

- 23 -

4. The process according to Claim 1, wherein said first web is destined to be said backsheet defining said garment facing surface of a pants-type disposable diaper and after said first web has been folded back along a line bisecting a vertical dimension of said first web so that a region of said first web destined to form the front waist regions and a region of said first web destined to form the rear waist regions are directly or indirectly overlaid each other, said folded back two regions are joined together at zones each having a desired width along lines destined to define said side edges of said diaper and thereafter said tape fastener members are bonded to said first web by means of said second adhesive on both sides of respective said zones of desired width so as to straddle respective said zones.